

SEQUENCE LISTING

<110> Ward, Gary

Donahue, Carolyn

<120> Toxoplasma Gondii Apical Membrane Antigen-1

<130> V0139/7050 (HCL/MXA)

<150> US 60/247,870

<151> 2000-11-09

<160> 3

<170> PatentIn version 3.0

<210> 1

<211> 541

<212> PRT

<213> toxoplasmosis gondii

<400> 1

```

Met Gly Leu Val Gly Val Gln Val Leu Leu Val Leu Val Ala Asp Cys
 1          5          10          15
Thr Ile Phe Ala Ser Gly Leu Ser Ser Thr Arg Ser Arg Glu Ser
      20          25          30
Gln Thr Leu Ser Ala Ser Thr Ser Gly Asn Pro Phe Gln Ala Asn Val
      35          40          45
Glu Met Lys Thr Phe Met Glu Arg Phe Asn Leu Thr His His His Gln
      50          55          60
Ser Gly Ile Tyr Val Asp Leu Gly Gln Asp Lys Glu Val Asp Gly Thr
      65          70          75          80
Leu Tyr Arg Glu Pro Ala Gly Leu Cys Pro Ile Trp Gly Lys His Ile
      85          90          95
Glu Leu Gln Gln Pro Asp Arg Leu Pro Tyr Arg Asn Asn Phe Leu Glu
      100          105          110
Asp Val Pro Thr Glu Lys Glu Tyr Lys Gln Ser Gly Asn Pro Leu Pro
      115          120          125
Gly Gly Phe Asn Leu Asn Phe Val Thr Pro Ser Gly Gln Arg Ile Ser

```

10039770.100901

130

135

140

Pro Phe Pro Met Glu Leu Leu Glu Lys Asn Ser Asn Ile Lys Ala Ser		
145	150	155
Thr Asp Leu Gly Arg Cys Ala Glu Phe Ala Phe Lys Thr Val Ala Met		
	165	170
Asp Lys Asn Asn Lys Ala Thr Lys Tyr Arg Tyr Pro Phe Val Tyr Asp		
	180	185
Ser Lys Lys Arg Leu Cys His Ile Leu Tyr Val Ser Met Gln Leu Met		
	195	200
Glu Gly Lys Lys Tyr Cys Ser Val Lys Gly Glu Pro Pro Asp Leu Thr		
	210	215
Trp Tyr Cys Phe Lys Pro Arg Lys Ser Val Thr Glu Asn His His Leu		
	225	230
Ile Tyr Gly Ser Ala Tyr Val Gly Glu Asn Pro Asp Ala Phe Ile Ser		
	245	250
Lys Cys Pro Asn Gln Ala Leu Arg Gly Tyr Arg Phe Gly Val Trp Lys		
	260	265
Lys Gly Arg Cys Leu Asp Tyr Thr Glu Leu Thr Asp Thr Val Ile Glu		
	275	280
Arg Val Glu Ser Lys Ala Gln Cys Trp Val Lys Thr Phe Glu Asn Asp		
	290	295
Gly Val Ala Ser Asp Gln Pro His Thr Tyr Pro Leu Thr Ser Gln Ala		
	305	310
Ser Trp Asn Asp Trp Trp Pro Leu His Gln Ser Asp Gln Pro His Ser		
	325	330
Gly Gly Val Gly Arg Asn Tyr Gly Phe Tyr Tyr Val Asp Thr Thr Gly		
	340	345
Glu Gly Lys Cys Ala Leu Ser Asp Gln Val Pro Asp Cys Leu Val Ser		
	355	360
Asp Ser Ala Ala Val Ser Tyr Thr Ala Ala Gly Ser Leu Ser Glu Glu		
	370	375
Thr Pro Asn Phe Ile Ile Pro Ser Asn Pro Ser Val Thr Pro Pro Thr		
	385	390
Pro Glu Thr Ala Leu Gln Cys Thr Ala Asp Lys Phe Pro Asp Ser Phe		
	405	410
Gly Ala Cys Asp Val Gln Ala Cys Lys Arg Gln Lys Thr Ser Cys Val		
	420	425
Gly Gly Gln Ile Gln Ser Thr Ser Val Asp Cys Thr Ala Asp Glu Gln		
	435	440
Asn Glu Cys Gly Ser Asn Thr Ala Leu Ile Ala Gly Leu Ala Val Gly		
	450	455
Gly Val Leu Leu Leu Ala Leu Leu Gly Gly Gly Cys Tyr Phe Ala Lys		
	465	470
Arg Leu Asp Arg Asn Lys Gly Val Gln Ala Ala His His Glu His Glu		
	485	490
		495

106011-02262001

Phe Gln Ser Asp Arg Gly Ala Arg Lys Lys Arg Pro Ser Asp Leu Met
500 505 510

Gln Glu Ala Glu Pro Ser Phe Trp Asp Glu Ala Glu Glu Asn Ile Glu
515 520 525

Gln Asp Gly Glu Thr His Val Met Val Glu Gly Asp Tyr
530 535 540

<210> 2

<211> 2507

<212> DNA

<213> toxoplasmosis gondii

<400> 2

ggtgagggag cgcgccata cagtcacaa tcgaacctg agacgaagca catggggctc	60
gtgggctgac aagttttgct ggttcttggt gcggattgca ccatattcgc atcgggactc	120
agctcaagca caaggtctcg cgagtcgcag acgctgagtg ctgacacgtc ggggaatccc	180
tttcaggcaa atgtagagat gaaaaccttc atggaaagat tcaacctaac tcatcatcat	240
cagtctggta ttacgtcga ccttgggcaa gacaaggaag ttgatggcac attataccgg	300
gagcctgcgg ggttgtgtcc catttgggga aagcacatcg aactccagca gccggaccgg	360
cttcctgacc gtaacaactt cttggaagat gttccgactg aaaaagaata caaacagtca	420
gggaatcctt tgcccggagg cttcaacttg aatttcgtga cgctagcgg gcagcgaatt	480
tcaccatttc cgatggaact tcttgaaaaa aatagcaaca tcaaggcgag tacgcatctt	540
gggaggtgcg ccgagtttgc ctttaagacg gtcgctatgg ataaaaacaa taaggcgacg	600
aagtaccgtt acccatttgt ttatgactcc aagaagcgac tgtgccacat cctctacgta	660
tcgatgcagc tgatggaggg taaaaagtac tggtcagtc agggcgaaac tccagatctc	720
acatggtatt gcttcaagcc ccgaaagagt gttacggaga atcatcatct catctacgga	780
tcggcctatg ttggagagaa ccagatgcg ttcacagta aatgcccaaa tcaagctctt	840
cgcggtgtaca ggttcggtgt ttggaagaaa ggccgttgcc tcgactacac tgaattgacc	900
gacactgtga tagaacgtgt tgagtcaaa gacacagtgt gggtgaaaac ctttgaatac	960
gacggggctg cgagtgacca accccatacg tatccactga cgtcgcaagc atcatggaac	1020
gattggtggc ctctccacca gactgaccaa cctcactcag gtggcgcttg gcgtaattac	1080
ggtttctact acgtggacac gactggagag ggcaagtgtg cactctctga ccaggtatcc	1140
gactgcctgg tgtcgattc tgccgccgtg tcgtatacag cagcggggag tttgtctgaa	1200
gagacgcgga atttcataat tccgtcaaat ccctctgtta ctccgccaac gcccgagacg	1260
gcacttcagt gcacggccga caagttcccc gactctttcg gtgcctgcga cgttcaagcc	1320
tgtaaaagac agaagacgtc ctgctgtggc ggacagattc aaagtactag cgtcgactgc	1380
accgcggacg aacaaaatga atgtggctct aacactgcgt tgatcgctgg actcgccgta	1440

10039770.110904

ggaggggttc tgctgttgcc tcttctagga ggaggetgct acttcgcgaa gaggttggac 1500
 agaaacaaag gcgtccaggc ggctcatcat gaacatgagt ttcatgcaga cagaggtgct 1560
 cgaataaaga ggccaagcga tctcatgcaa gaggtggaac cgtcgttttg ggatgaggca 1620
 gaggagaaca ttgaacaaga tggggaaaca catgttatgg tcgaggggga ttactagagt 1680
 cagaagaaac tgggtacagt tttccctcca gaatgcagtc gttcagaaac aagttttctc 1740
 tttttgttgc cttgatcaac aggacagtat aagttgtcgg cacatcatgc gcacacatga 1800
 acacatgtat actttgtctg cgtgccgagc tgctgtgtgt caccgaccgt ctgtgttctg 1860
 cctgagccaa taaattattg caacggctgt ttttttatgg cagtgtcgtg tgttgggatt 1920
 catgtgctta caaaggatgt cccgatgccc agcgtgcgca caaacgtgca tttttttata 1980
 ttacgtctag aaattgattg agtgcctgtg cacttcgtcg attccaattc gaccattcca 2040
 ggaaggggaa cgcggctcagt aaaatgccct gttgagtcgt ttttctgata ctgattttca 2100
 tgcggaaagc gtagtcagtg ctaaatgtac catttggaat ttgtcgtagg tcgacacaaa 2160
 cagttgtgat tacggttctc gacgtctagt cgccaaatga agctcgcgaa acaaggtgtg 2220
 aaggettgat atctgacaac gcagaacaac gcagccggtt agtaggttgc gcttgcccca 2280
 gtgaaatcgt cagtgtctta ccgttttcat gtgcgtacca cgaaggcgc ttccgtgttc 2340
 tttcatggcg gctaggaaaa tctatggaag gttaaccttc cattaagggt cgggacgtgc 2400
 gtaaccatgc acaagaacag cgattccgta gtgcgtgctc ttacgtgttt gacattatgt 2460
 cgccaactac catatcgtgt taaacgtacg gaagaacgcc aaaaaaa 2507

<210> 3

<211> 21

<212> PRT

<213> Toxoplasma gondii

<400> 3

Glu Phe Gln Ser Asp Arg Gly Ala Arg Lys Lys Arg Pro Ser Asp Leu
 1 5 10 15
 Met Gln Glu Ala Cys
 20

103570.110501